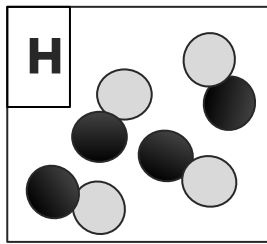
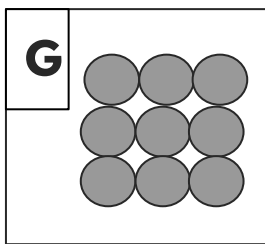
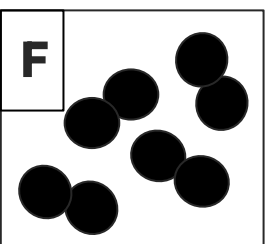
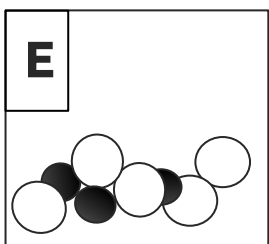
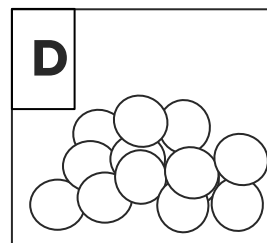
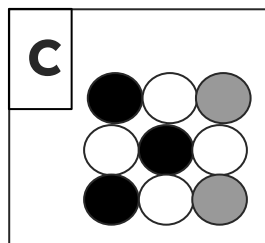
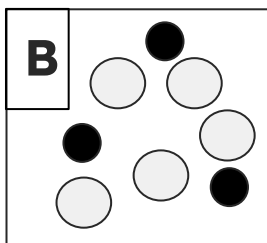
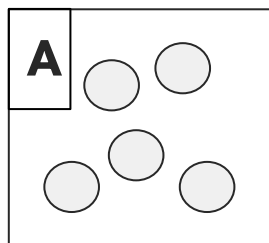


Elements



Task 1: Defining an element

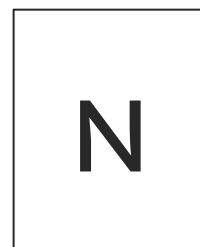
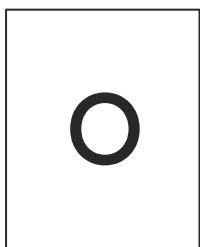
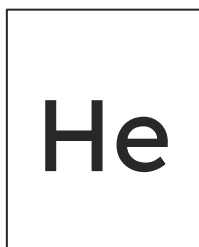
a) Circle the boxes that show an element.



b) Complete the sentence:
An element is ...

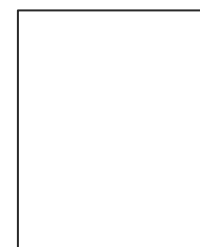
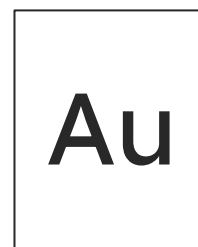
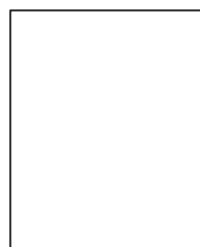
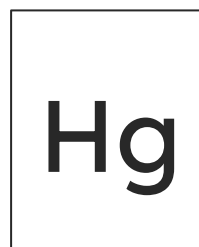
Task 2: Chemical symbols

Use your periodic table to **fill** in the blanks.



calcium

carbon



lithium

lead

tin

Name _____

Science Elements



Task 3: Introduction to the periodic table

a) **Complete** the sentences about the periodic table.

Rows are called _____.

Columns are called _____.

The block in the middle is called the _____.

b) **Find** the element.

i) Period 1, Group 8

ii) Period 3, Group 5

iii) Period 5, Group 7

iv) A transition metal in Period 6

v) A transition metal in Period 4

Task 4: Metals and non-metals

Sort the elements into the correct columns in the table.

Metal	Non-metal

caesium

chlorine

neon

cobalt

magnesium

sulfur

arsenic

thallium

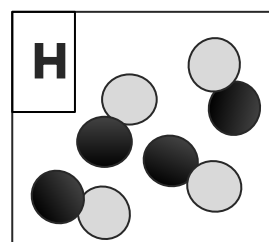
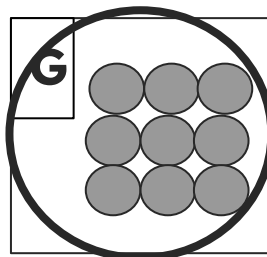
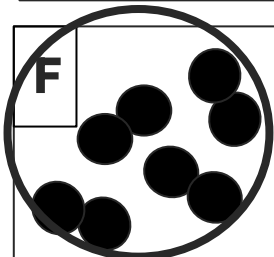
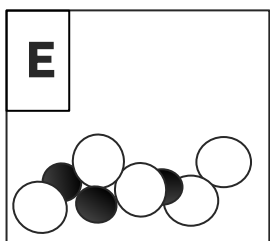
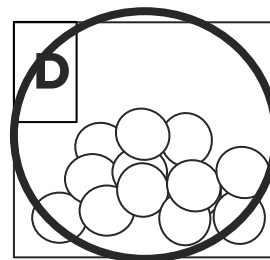
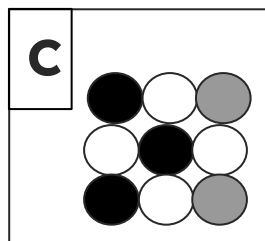
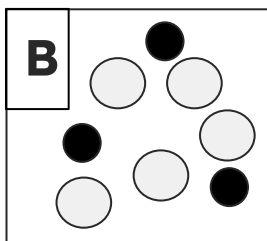
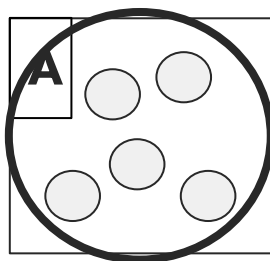
b) Use your periodic table to **find** the element name and chemical symbol that matches the statement.

Statement	Element name	Chemical symbol
The non-metal in Period 7		
The metal beginning with V		
The non-metal in Group 3		
The metal in Group 7		
The metal in Group 2 and Period 3		



Task 1: Defining an element

a) Circle the boxes that show an element.

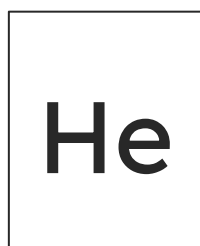


b) Complete the sentence:

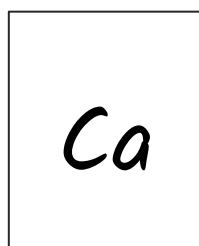
An element is ... *a substance made from one type of atom.*

Task 2: Chemical symbols

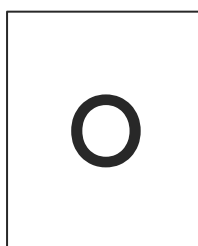
Use your periodic table to fill in the blanks.



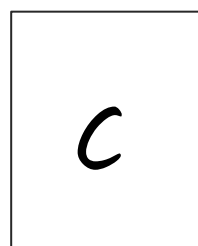
helium



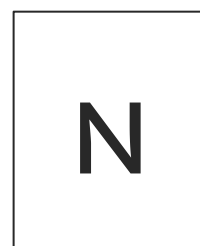
calcium



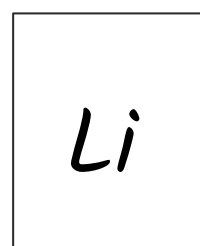
oxygen



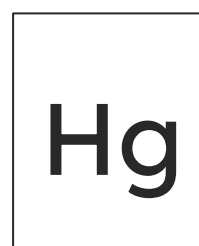
carbon



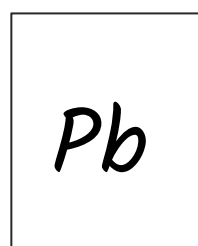
nitrogen



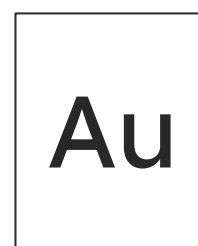
lithium



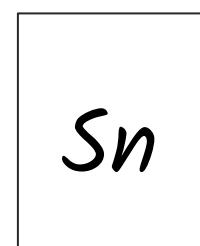
mercury



lead



gold



tin



Task 3: Introduction to the periodic table

a) **Complete** the sentences about the periodic table.

Rows are called *periods*.

Columns are called *groups*.

The block in the middle is called the *transition metals*.

b) **Find** the element.

i) Period 1, Group 8 *helium (He)*

ii) Period 3, Group 5 *phosphorus (P)*

iii) Period 5, Group 7 *iodine (I)*

iv) A transition metal in Period 6 *any element from Sc - Zn*

v) A transition metal in Period 4 *any element from Y - Cd*

Task 4: Metals and non-metals

Sort the elements into the correct columns in the table.

Metal	Non-metal
<i>caesium</i>	<i>neon</i>
<i>magnesium</i>	<i>arsenic</i>
<i>cobalt</i>	<i>chlorine</i>
<i>thallium</i>	<i>sulfur</i>

caesium

chlorine

neon

cobalt

magnesium

sulfur

arsenic

thallium

b) Use your periodic table to **find** the element name and chemical symbol that matches the statement.

Statement	Element name	Chemical symbol
The non-metal in Period 7	<i>oganesson</i>	<i>Og</i>
The metal beginning with V	<i>vanadium</i>	<i>V</i>
The non-metal in Group 3	<i>boron</i>	<i>B</i>
The metal in Group 7	<i>tennessine</i>	<i>Ts</i>
The metal in Group 2 and Period 3	<i>magnesium</i>	<i>Mg</i>